**List MCQs**

**1. Which of the following is a valid way to create a list in Python?**

A) list1 = ()  
B) list1 = []  
C) list1 = {}  
D) list1 = <>

**2. What is the output of the following code?**

list1 = [1, 2, 3, 4, 5]

print(list1[2])

A) 1  
B) 2  
C) 3  
D) 4

**3. How can you add a new element to a list in Python?**

A) list1.append()  
B) list1.add()  
C) list1.push()  
D) list1.insert()

**4. What is the output of the following code?**

list1 = [1, 2, 3]

list1.append(4)

print(list1)

A) [1, 2, 3, 4]  
B) [1, 2, 3]  
C) [4, 1, 2, 3]  
D) [1, 4, 2, 3]

**5. How can you remove the last element from a list?**

A) list1.remove()  
B) list1.pop()  
C) list1.delete()  
D) list1[-1] = None

**6. What does the following code return?**

list1 = [5, 10, 15, 20]

print(len(list1))

A) 3  
B) 4  
C) 5  
D) Error

**7. Which of the following methods will concatenate two lists a and b?**

A) a + b  
B) a \* b  
C) a & b  
D) a.concat(b)

**8. What is the result of the following code?**

list1 = [1, 2, 3, 4, 5]

print(list1[1:4])

A) [1, 2, 3]  
B) [2, 3, 4]  
C) [2, 3, 4, 5]  
D) [3, 4, 5]

**9. Which of the following methods can be used to sort a list in ascending order?**

A) list1.sort()  
B) list1.order()  
C) list1.reverse()  
D) list1.append()

**10. What is the output of the following code?**

list1 = [1, 2, [3, 4], 5]

print(list1[2][1])

A) 2  
B) 3  
C) 4  
D) 5

**11. Which function is used to get the minimum value in a list?**

A) list1.min()  
B) min(list1)  
C) list1.smallest()  
D) list1.first()

**12. How do you remove the first occurrence of an element from a list?**

A) list1.remove(value)  
B) list1.delete(value)  
C) list1.pop()  
D) list1.extract(value)

**13. What does the following code return?**

list1 = [1, 2, 3, 4, 5]

print(list1[-2])

A) 2  
B) 3  
C) 4  
D) 5

**14. What is the result of the following code?**

list1 = [1, 2, 3]

list2 = list1

list2[0] = 9

print(list1)

A) [9, 2, 3]  
B) [1, 2, 3]  
C) [9]  
D) Error

**15. Which of the following is true about lists in Python?**

A) Lists are immutable  
B) Lists can contain elements of different types  
C) Lists cannot contain duplicate elements  
D) Lists do not maintain order of elements